NAME OF WORK:- Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in ward no.11.

First and Final Bill

Quality Control Reports

QC ABSTRACT

AME OF WORK: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area Ward No.11 Kuvempunagara."

NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Prism (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	PCC(M15)	Compressive Strength(7days and 28days)	3 set /16-30 cum	17.21	6	6
9	RCC(M20)	Compressive Strength(7days and 28days)	5 set /51-100 cum	54.01	8	8
10	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	13 set /450-500 cum	470.28	24	24
11	GSB	SIEVE ANALYSIS	One Test		1	1

AEE (VRVED)

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2020-12-09-25** **Date: 19-04-21**

Project Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

Customer's Reference : BBMP/EE/BTP/WO/130/2019-20

Date of Receipt : 16-04-21

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification .
IS 4031 (Part 1,2 3,4,5, 6,11) 1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4 4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 17-04-21

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.08	_
2	Finess by Air permeablity method (m^2/kg,Min)	298.5	225m^2/kg, Min
3	Density (gm/cc)	3.13	_
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	275 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

FOR CIVIL Pro.

Sig.....R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE - 3
Certificate No.: TC-9548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2020-12-09-25** **Date: 15-05-21**

Project Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

Customer's Reference : BBMP/EE/BTP/WO/130/2019-20

Date of Receipt : 16-04-21

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6

Date of test : 17-04-21

Environmental Conditions during test : Temperature: 26 C
Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Bangalore Sub Division

FOR CIVIL Pro.

CIVIL Pro BANGALORE
Sig.....

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-12-09-25** **Date: 19-04-21**
Project Name	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
Agency	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
Customer's Reference	:	BBMP/EE/BTP/WO/130/2019-20
Date of Receipt	:	16-04-21
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	16-04-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	189	189	1.3	98.7	90-100
3	20 mm	7284	7473	49.8	50.2	30-70
4	10 mm	4089	11562	77.1	22.9	10-35
5	4.75 mm	3001	14563	97.1	2.9	0-5
6	Pan	437	15000	100.0	0	---

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91-80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-12-09-25** **Date: 19-04-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.5	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.8	
3	Specific Gravity	2.66	_
4	Bulk Density(Loose) (Kg/l)	1.42	_
5	Bulk Density(Compacted) (Kg/l)	1.48	_
6	Water Absorption(%)	0.21	_

* The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bangalore Mahanagara Palike

CIVIL Pro BANGALORE Sig..... Date.....

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-12-09-25** **Date: 19-04-21**
Project Name	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
Agency	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/130/2019-20
Date of Receipt	:	16-04-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	16-04-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	199	199	4.0	96.0	90-100
3	10 mm	3050	3249	65.0	35.0	25-55
4	4.75 mm	1502	4751	95.0	5.0	0-10
5	Pan	249	5000	100	0	-

ASSISTANT EXECUTIVE ENGINEER

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-12-09-25** **Date: 19-04-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.7	
3	Specific Gravity	2.62	-
4	Bulk Density(Loose) (Kg/l)	1.48	-
5	Bulk Density(Compacted) (Kg/l)	1.55	-
6	Water Absorption(%)	0.27	-
7	Aggregate crushing Value(%)	23.9	Max 30% for Aggregates to be used in concrete for wearing Surface. In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface
8	Aggregate Impact Value(%)	23.1	30% for Aggregates to be used in concrete for wearing Surface. 45% for Aggregates to be used in concrete other than for wearing Surface

* The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R HARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2020-12-09-25 **Date: 19-04-21**

Project Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No:11 Kuvempunagara."

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

Customer's Reference : BBMP/EE/BTP/WO/130/2019-20

Date of Receipt : 16-04-21

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 -1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 16-04-21

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bangalore North

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

ID	:	CP-2020-12-09-25 **Date: 19-04-21**
ect Name	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
ncy	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
tomer's Reference	:	BBMP EE BTP WO 130 2019-20
e of Receipt	:	16-04-21
ple Type	:	Fine Aggregate
erence to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
e of test	:	16-04-21
al weight taken	:	1000 grams

Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
					Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
10 mm	0	0	0.0	100.0	100	100	100	100
4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
Pan	80	1000	100.0	0.0	---	---	---	---

sult : The tested Sample Conforms to Grading Zone II

ASSISTANT EXECUTIVE ENGINEER
Vijayanagar Sub Division

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL| ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

TEST REPORT OF FINE AGGREGATE

ab ID : CP-2020-12-09-25

Date: 19-04-21

HYSICAL PROPERTIES

.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	-
2	Specific Gravity	2.59	-
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

he results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

ab ID	:	CP-2020-12-09-25 **Date: 03-05-21**
roject Name	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
gency	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
ustomer's Reference	:	BBMP/EE/BTP/WO/130/2019-20
ate of Receipt	:	29-04-21
ample Type/Size	:	Solid concrete blocks size (400X200X200)mm
eference to BIS codes	:	IS 2185 (Part 1) 2005(RA 2010) Concrete Masonry Specification Part 1 Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
ate of test	:	29-04-21

LOCK DENSITY:

SL No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	398	199	202	15999	31.227	1951.8	2002.5	Not less than 1800Kg/m^3
2	402	199	201	16080	32.606	2027.8		
3	404	202	201	16403	33.266	2028.0		

VATER ABSORPTION:

SL No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division

CIVIL PRO
Sig.....
Date.....
BANGALORE

Date: 03-05-21

ID : CP-2020-12-09-25

MENSION ANALYSIS

Sno	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	403	202	203	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	401	200	203	
3	401	202	201	
4	402	202	199	
5	403	201	203	
6	401	203	201	
7	399	202	199	
8	404	201	202	
9	400	202	199	
10	402	201	202	
11	402	202	201	
12	403	200	203	
13	402	202	199	
14	402	201	203	
15	401	201	202	
16	400	200	203	
17	402	200	202	
18	399	202	203	
19	404	202	199	
20	401	201	199	
Average of 20	**402**	**201**	**201**	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bengaluru

CIVIL Pro
Sig.....
Date.....
BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Lab ID : CP-2020-12-09-25 Date: 03-05-21

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	403	202	81301	362.8	4.5	4.6
2	401	200	80249	374.9	4.7	
3	401	202	81076	390.6	4.8	
4	402	202	81160	372.9	4.6	
5	403	201	81283	384.7	4.7	
6	401	203	81386	375.9	4.6	
7	399	202	80611	365.5	4.5	
8	404	201	81067	369.3	4.6	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

The results obtained are satisfactory as per standard requirements

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru [illegible]

FOR CIVIL Pro.

CIVIL Pro Sig..... BANGALORE Date.....

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST RESULTS OF STEEL

ID : CP-2020-12-09-25 **Date: 17-04-21**

ct Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

cy : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

mer's Reference : BBMP/EE/BTP/WO/130/2019-20

f Receipt : 16-04-21

le Type : Sunvik

nce to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

f test: : 16-04-21

Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
		(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

sults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhat Bangalore Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
End of Report

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Date: 05-05-21

	:	**CP-2020-12-09-25**
ame	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
's Reference	:	BBMP/EE/BTP/WO/130/2019-20
eceipt	:	01-05-21
ype /Size	:	Precast Cover Slab (100mm)
to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
st	:	01/05/2021

Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

ts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhat Bengaluru [illegible]

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No : TC-5548

Format No: CP/TL/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25

Date: 12/05/2021

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 07-05-21

ID : Flagging Course Concrete, (2nd Cross Road)

ype /Size : 150X150X150 mm

rade/Age : M15 / 7 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 12/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
lagging Course Concrete	M15	05/05/2021	12/05/2021	150.39 X 151.34 X 150.65	22759	8.928	292.5	12.9	12.5
lagging Course Concrete	M15	05/05/2021	12/05/2021	151.69 X 149.22 X 151.78	22634	8.530	278.0	12.3	
lagging Course Concrete	M15	05/05/2021	12/05/2021	150.48 X 151.42 X 150.73	22787	9.019	283.1	12.4	

s obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 02/06/2021**

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 07-05-21

ID : Flagging Course Concrete, (2nd Cross Road)

ype /Size : 150X150X150 mm

rade/Age : M15 / 28 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 02/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
agging Course Concrete	M15	05/05/2021	02/06/2021	150.17 X 149.03 X 150.64	22381	**8.968**	381.0	17.0	17.4
agging Course Concrete	M15	05/05/2021	02/06/2021	149.25 X 150.01 X 151.17	22389	**8.460**	401.6	17.9	
agging Course Concrete	M15	05/05/2021	02/06/2021	151.51 X 150.75 X 150.42	22840	**8.789**	393.6	17.2	

s obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
VATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TE/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 12/05/2021

: CP-2020-12-09-25

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 07-05-21

ID : Flagging Course Concrete, (3rd Cross Road Tippu Sultan Road)

ype /Size : 150X150X150 mm

rade/Age : M15 / 7 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 12/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
lagging Course Concrete	M15	05/05/2021	12/05/2021	149.11 X 150.94 X 151.13	22507	**8.928**	278.9	12.4	12.3
lagging Course Concrete	M15	05/05/2021	12/05/2021	149.16 X 149.38 X 150.05	22282	**8.530**	267.8	12.0	
lagging Course Concrete	M15	05/05/2021	12/05/2021	149.61 X 149.84 X 149.47	22418	**9.019**	279.9	12.5	

ts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	:	**CP-2020-12-09-25** **Date: 02/06/2021**
t Name	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
ner's Reference	:	BBMP/EE/BTP/WO/130/2019-20
f Receipt	:	07-05-21
ner ID	:	Flagging Course Concrete, (3rd Cross Road Tippu Sultan Road)
Type /Size	:	150X150X150 mm
grade/Age	:	M15 / 28 Days Compressive Strength
nce to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
test	:	02/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
Flagging Course Concrete	M15	05/05/2021	02/06/2021	151.02 X 149.07 X 150.21	22513	**8.968**	394.0	17.5	17.4
Flagging Course Concrete	M15	05/05/2021	02/06/2021	150.40 X 150.65 X 150.78	22658	**8.460**	396.7	17.5	
Flagging Course Concrete	M15	05/05/2021	02/06/2021	149.93 X 150.51 X 150.24	22566	**8.789**	390.9	17.3	

ults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhat Bangalore Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 12/05/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

Reference : BBMP/EE/BTP/WO/130/2019-20

ipt : 07-05-21

: Flagging Course Concrete, (4th Cross Road (TP Kailasm Road))

e /Size : 150X150X150 mm

le/Age : M15 / 7 Days Compressive Strength

BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 12/05/2021

ntification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ging Course Concrete	M15	05/05/2021	12/05/2021	150.46 X 149.87 X 151.46	22549	**8.928**	273.7	12.1	12.3
ging Course Concrete	M15	05/05/2021	12/05/2021	149.60 X 149.95 X 149.72	22432	**8.530**	278.1	12.4	
ging Course Concrete	M15	05/05/2021	12/05/2021	151.17 X 151.43 X 151.49	22891	**9.019**	282.9	12.4	

obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date ..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/06/2021

	:	CP-2020-12-09-25
ame	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
r's Reference	:	BBMP/EE/BTP/WO/130/2019-20
eceipt	:	07-05-21
r ID	:	Flagging Course Concrete. (4th Cross Road (TP Kailasm Road))
ype /Size	:	150X150X150 mm
rade/Age	:	M15 / 28 Days Compressive Strength
e to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
est	:	02/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
Flagging Course Concrete	M15	05/05/2021	02/06/2021	151.07 X 150.55 X 150.07	22747	8.968	388.9	17.1	17.2
Flagging Course Concrete	M15	05/05/2021	02/06/2021	150.98 X 149.13 X 149.80	22515	8.460	383.7	17.0	
Flagging Course Concrete	M15	05/05/2021	02/06/2021	151.88 X 151.01 X 150.53	22936	8.789	402.1	17.5	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No : TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 05/05/2021**

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 30-04-21

ID : Drain Bottom Raft Concrete, (Church Road (9th Cross Road))

ype /Size : 150X150X150 mm

rade/Age : M20 / 7 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 05/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ain Bottom Raft Concrete	M20	28/04/2021	05/05/2021	150.88 X 149.28 X 149.97	22524	**9.024**	406.3	18.0	18.3
ain Bottom Raft Concrete	M20	28/04/2021	05/05/2021	150.65 X 151.21 X 149.22	22781	**9.008**	431.1	18.9	
ain Bottom Raft Concrete	M20	28/04/2021	05/05/2021	149.89 X 150.20 X 149.56	22513	**8.698**	406.0	18.0	

ts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 26/05/2021**

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

r's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 30-04-21

r ID : Drain Bottom Raft Concrete, (Church Road (9th Cross Road))

ype /Size : 150X150X150 mm

rade/Age : M20 / 28 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

est : 26/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
rain Bottom Raft Concrete	M20	28/04/2021	26/05/2021	149.22 X 150.51 X 151.56	22459	**9.026**	526.2	23.4	22.9
rain Bottom Raft Concrete	M20	28/04/2021	26/05/2021	149.41 X 150.74 X 151.10	22522	**8.186**	496.8	22.1	
rain Bottom Raft Concrete	M20	28/04/2021	26/05/2021	151.90 X 149.48 X 149.66	22705	**8.982**	524.6	23.1	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	: CP-2020-12-09-25	**Date: 08/05/2021**
ame	: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."	
	: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010	
e's Reference	: BBMP/EE/BTP/WO/130/2019-20	
eceipt	: 03-05-21	
r ID	: Drain Side Wall Concrete,(Government School Road 10th Cross Road)	
ype /Size	: 150X150X150 mm	
rade/Age	: M20 / 7 Days Compressive Strength	
e to BIS codes	: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
st	: 08/05/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
rain Side Wall Concrete	M20	01/05/2021	08/05/2021	150.07 X 150.41 X 150.69	22571	**9.024**	424.6	18.8	18.6
rain Side Wall Concrete	M20	01/05/2021	08/05/2021	149.72 X 149.60 X 151.66	22398	**9.008**	410.2	18.3	
rain Side Wall Concrete	M20	01/05/2021	08/05/2021	151.59 X 150.48 X 150.33	22811	**8.698**	427.9	18.8	

ts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro
Sig.
Date
BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 29/05/2021

ame : CP-2020-12-09-25

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 03-05-21

ID : Drain Side Wall Concrete.(Government School Road 10th Cross Road)

ype /Size : 150X150X150 mm

rade/Age : M20 / 28 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete CL5

st : 29/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	01/05/2021	29/05/2021	150.66 X 149.89 X 150.95	22582	9.026	536.7	23.8	23.3
Drain Side Wall Concrete	M20	01/05/2021	29/05/2021	149.71 X 149.06 X 149.47	22316	8.186	507.9	22.8	
Drain Side Wall Concrete	M20	01/05/2021	29/05/2021	151.97 X 150.17 X 150.85	22821	8.982	531.4	23.3	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
IGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE - 3

Certificate No : TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	: CP/2020/12/09/25	**Date: 08/05/2021**
same	: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara"	
	: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'S' Block, Rajajinagara, Bangalore-560 010	
r's Reference	: BBMP/EE/BTP/WO/130/2019-20	
Receipt	: 01/05/21	
r ID	: Drain Side Wall Concrete (Government School Road 10th Cross Road)	
Type /Size	: 150X150X150 mm	
Grade/Age	: M20 / 7 Days Compressive Strength	
e to BIS codes	: IS: 516 - 1959 'Methods of Tests for Strength of Concrete' CL5	
est	: 08/05/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	01/05/2021	08/05/2021	150.55 X 149.27 X 150.17	22473	**9.024**	426.7	19.0	18.7
Drain Side Wall Concrete	M20	01/05/2021	08/05/2021	149.70 X 149.81 X 149.38	22427	**9.008**	409.7	18.3	
Drain Side Wall Concrete	M20	01/05/2021	08/05/2021	151.43 X 151.70 X 151.43	22972	**8.698**	430.8	18.8	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhat Bangalore Mahanagara Palike

CIVIL Pro Sig. ..... Date ..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

IGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 29/05/2021

: CP-2020-12-09-25

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 03-05-21

ID : Drain Side Wall Concrete.(Government School Road 10th Cross Road)

ype /Size : 150X150X150 mm

rade/Age : M20 / 28 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 29/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
rain Side Wall Concrete	M20	01/05/2021	29/05/2021	149.52 X 151.56 X 150.48	22662	**9.026**	539.1	23.8	23.4
rain Side Wall Concrete	M20	01/05/2021	29/05/2021	149.55 X 150.86 X 151.74	22560	**8.186**	508.2	22.5	
rain Side Wall Concrete	M20	01/05/2021	29/05/2021	149.85 X 151.92 X 149.66	22766	**8.982**	545.3	24.0	

ts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/05/2021

: CP-2020-12-09-25

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 06-05-21

ID : Drain Side Wall Concrete.(10th cross to Church Road)

ype /Size : 150X150X150 mm

rade/Age : M20 / 7 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 10/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
rain Side Wall Concrete	M20	03/05/2021	10/05/2021	149.80 X 151.95 X 150.84	22763	**9.024**	429.5	18.9	18.4
rain Side Wall Concrete	M20	03/05/2021	10/05/2021	149.33 X 151.79 X 151.28	22667	**9.008**	414.4	18.3	
rain Side Wall Concrete	M20	03/05/2021	10/05/2021	150.26 X 150.31 X 149.37	22585	**8.698**	409.0	18.1	

s obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 31/05/2021**

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 06-05-21

r ID : Drain Side Wall Concrete,(10th cross to Church Road)

ype /Size : 150X150X150 mm

rade/Age : M20 / 28 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 'Methods of Tests for Strength of Concrete Cl.5

st : 31/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	03/05/2021	31/05/2021	150.93 X 149.18 X 149.50	22516	**9.026**	526.1	23.4	22.9
Drain Side Wall Concrete	M20	03/05/2021	31/05/2021	150.48 X 151.08 X 149.59	22735	**8.186**	507.4	22.3	
Drain Side Wall Concrete	M20	03/05/2021	31/05/2021	150.04 X 150.62 X 149.24	22599	**8.982**	522.1	23.1	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 10/05/2021**

Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

er's Reference : BBMP/EE/BTP/WO/130/2019-20

Receipt : 06-05-21

er ID : Drain Side Wall Concrete.(10th cross to Church Road)

Type /Size : 150X150X150 mm

grade/ Age : M20 / 7 Days Compressive Strength

ce to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

test : 10/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
Drain Side Wall Concrete	M20	03/05/2021	10/05/2021	149.47 X 151.04 X 149.73	22577	9.024	406.4	18.0	18.4
Drain Side Wall Concrete	M20	03/05/2021	10/05/2021	150.53 X 150.94 X 151.71	22721	9.008	423.0	18.6	
Drain Side Wall Concrete	M20	03/05/2021	10/05/2021	150.43 X 150.82 X 150.33	22687	8.698	420.5	18.5	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TE/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 31/05/2021**

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 06-05-21

ID : Drain Side Wall Concrete,(10th cross to Church Road)

pe /Size : 150X150X150 mm

ade/Age : M20 / 28 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

t : 31/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ain Side Wall Concrete	M20	03/05/2021	31/05/2021	150.41 X 151.47 X 150.01	22783	**9.026**	531.8	23.3	23.1
ain Side Wall Concrete	M20	03/05/2021	31/05/2021	149.54 X 150.74 X 150.07	22542	**8.186**	508.8	22.6	
ain Side Wall Concrete	M20	03/05/2021	31/05/2021	149.97 X 150.73 X 151.74	22606	**8.982**	530.5	23.5	

obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID : **CP-RW-2020-12-09-25** **Date: 10-05-21**

Project Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

Customer Reference : BBMP EE BTP WO 130/2019-20

Date of Receipt : 08-05-21

Type of Mix : GSB (Granular Sub Base)

Date of test : 08-05-21

Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	997	997	9.97	90.03	80-100
26.5	1685	2682	26.82	73.18	55-90
9.5	1292	3974	39.74	60.26	35-65
4.75	1490	5464	54.64	45.36	25-55
2.36	1764	7228	72.28	27.72	20-40
0.425	1666	8894	88.94	11.06	10-25
0.075	1106	10000	100.00	0.00	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	21.33%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/05/2021

: CP-2020-12-09-25

ame : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

eceipt : 26-05-21

r ID : Cement Concrete Pavement . (7th Cross Road)

ype /Size : 150X150X150 mm

rade/Age : M30 / 7 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

est : 31/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ement Concrete Pavement	M30	24/05/2021	31/05/2021	151.54 X 150.10 X 151.57	22746	**8.408**	580.0	25.5	25.2
ement Concrete Pavement	M30	24/05/2021	31/05/2021	150.34 X 150.60 X 149.26	22642	**8.147**	592.1	26.1	
ement Concrete Pavement	M30	24/05/2021	31/05/2021	149.13 X 149.39 X 151.96	22278	**9.094**	535.9	24.1	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vijayaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 21/06/2021**

Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

ner's Reference : BBMP/EE/BTP/WO/130/2019-20

Receipt : 26-05-21

ner ID : Cement Concrete Pavement , (7th Cross Road)

Type /Size : 150X150X150 mm

grade/Age : M30 / 28 Days Compressive Strength

nce to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

test : 21/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	149.92 X 151.62 X 151.81	22730	**8.161**	769.6	33.9	33.0
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	151.52 X 150.07 X 149.02	22739	**8.715**	731.1	32.2	
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	150.66 X 149.96 X 150.64	22593	**9.076**	748.5	33.1	

ults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TE/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 31/05/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 26-05-21

: Cement Concrete Pavement . (Ashraya Layout 3rd A Cross Connecting Hosabalu nagar Main road)

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 31/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	24/05/2021	31/05/2021	149.92 X 151.77 X 150.14	22752	**8.408**	574.4	25.2	25.3
Cement Concrete Pavement	M30	24/05/2021	31/05/2021	149.98 X 150.78 X 149.63	22615	**8.147**	595.1	26.3	
Cement Concrete Pavement	M30	24/05/2021	31/05/2021	149.31 X 151.23 X 151.30	22579	**9.094**	548.2	24.3	

results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhat Bangalore Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	: CP-2020-12-09-25	**Date: 21/06/2021**
Name	: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."	
	: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010	
ner's Reference	: BBMP/EE/BTP/WO/130/2019-20	
f Receipt	: 26-05-21	
ner ID	: Cement Concrete Pavement , (Ashraya Layout 3rd A Cross Connecting Hosabalu nagar Main road)	
e Type /Size	: 150X150X150 mm	
e grade/Age	: M30 / 28 Days Compressive Strength	
nce to BIS codes	: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
f test	: 21/06/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	149.49 X 150.03 X 151.15	22429	**8.161**	741.6	33.1	33.0
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	150.12 X 150.43 X 151.45	22584	**8.715**	729.3	32.3	
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	149.18 X 150.04 X 150.35	22384	**9.076**	751.5	33.6	

Results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

FOR CIVIL Pro.

CIVIL Pro Sig. Date. BANGALORE

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 31/05/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP EE/BTP/WO/130/2019-20

: 26-05-21

: Cement Concrete Pavement (Kanaka Bhavana Front Road)

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 31/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	24/05/2021	31/05/2021	149.81 X 149.41 X 149.32	22385	**8.408**	564.8	25.2	25.4
Cement Concrete Pavement	M30	24/05/2021	31/05/2021	150.49 X 150.04 X 150.30	22580	**8.147**	588.9	26.1	
Cement Concrete Pavement	M30	24/05/2021	31/05/2021	149.67 X 149.52 X 149.44	22379	**9.094**	558.3	24.9	

Results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division

Page 1/1
****End of Report****

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 21/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 26-05-21

: Cement Concrete Pavement (Kanaka Bhavana Front Road)

: 150X150X150 mm

: M30 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 21/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	150.63 X 150.73 X 151.87	22704	8.161	750.0	33.0	33.0
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	151.16 X 150.72 X 150.62	22782	8.715	733.9	32.2	
Cement Concrete Pavement	M30	24/05/2021	21/06/2021	150.02 X 150.24 X 149.38	22539	9.076	762.8	33.8	

The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bangalore South

CIVIL Pro Sig. Date BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/06/2021

: CP-2020-12-09-25

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 27-05-21

: Cement Concrete Pavement (Kuvempu Nagar- 9th Cross Church Road)

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 01/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	149.20 X 149.85 X 149.22	22358	8.408	565.4	25.3	25.6
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	149.14 X 150.57 X 149.26	22456	8.147	596.8	26.6	
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	151.93 X 149.85 X 151.57	22767	9.094	568.3	25.0	

Results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	: CP-2020-12-09-25	Date: 22/06/2021
Name	: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."	
	: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010	
ner's Reference	: BBMP/EE/BTP/WO/130/2019-20	
f Receipt	: 27-05-21	
ner ID	: Cement Concrete Pavement (Kuvempu Nagar- 9th Cross Church Road)	
Type /Size	: 150X150X150 mm	
e grade/Age	: M30 / 28 Days Compressive Strength	
nce to BIS codes	: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
f test	: 22/06/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	151.86 X 150.48 X 150.30	22852	8.161	774.3	33.9	33.3
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	151.98 X 150.21 X 150.70	22829	8.715	748.7	32.8	
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	151.37 X 151.14 X 151.19	22878	9.076	762.3	33.3	

Results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 01/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 27-05-21

: Cement Concrete Pavement (Nammura Anganavadi Near Church)

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 01/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	151.46 X 151.34 X 149.71	22922	**8.408**	582.6	25.4	25.5
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	150.57 X 151.35 X 150.99	22788	**8.147**	610.5	26.8	
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	149.92 X 149.96 X 151.15	22482	**9.094**	542.9	24.1	

Results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Page 1 | 1

****End of Report****

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/06/2021

: CP-2020-12-09-25

ID :

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

ject Name :

ncy : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

tomer's Reference : BBMP/EE/BTP/WO/130/2019-20

e of Receipt : 27-05-21

tomer ID : Cement Concrete Pavement (Nammura Anganavadi Near Church)

ple Type /Size : 150X150X150 mm

ple grade/Age : M30 / 28 Days Compressive Strength

rence to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

e of test : 22/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	151.27 X 149.67 X 150.84	22641	**8.161**	763.5	33.7	33.4
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	149.37 X 150.32 X 150.64	22453	**8.715**	733.2	32.7	
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	149.86 X 151.01 X 149.62	22630	**9.076**	765.4	33.8	

results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. Date..... BANGALORE

FOR CIVIL Pro.
R K ARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 01/06/2021**

t Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

ner's Reference : BBMP/EE/BTP/WO/130/2019-20

f Receipt : 27-05-21

ner ID : Cement Concrete Pavement (6th Cross Road (Mariyamma Temple))

e Type /Size : 150X150X150 mm

e grade/ Age : M30 / 7 Days Compressive Strength

nce to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

f test : 01/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	150.00 X 150.93 X 150.91	22639	**8.408**	582.3	25.7	25.6
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	150.18 X 149.98 X 149.79	22524	**8.147**	599.9	26.6	
Cement Concrete Pavement	M30	25/05/2021	01/06/2021	149.19 X 151.11 X 151.21	22544	**9.094**	549.1	24.4	

esults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date..... BANGALORE

FOR CIVIL Pro.
R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE - 3

Certificate No. TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 22/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No 11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP EE/BTP WO 130/2019-20

eceipt : 27-05-21

r ID : Cement Concrete Pavement (6th Cross Road (Mariyamma Temple))

Type /Size : 150X150X150 mm

rade/Age : M30 / 28 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

est : 22/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	149.79 X 149.78 X 150.21	22437	**8.161**	744.3	33.2	32.8
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	151.11 X 149.12 X 151.11	22533	**8.715**	725.6	32.2	
Cement Concrete Pavement	M30	25/05/2021	22/06/2021	150.12 X 151.90 X 151.17	22804	**9.076**	753.8	33.1	

ults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro BANGALORE Sig. ..... Date.....

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	: CP-2020-12-09-25	**Date: 02/06/2021**
	: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."	
rt Name	: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010	
mer's Reference	: BBMP/EE/BTP/WO/130/2019-20	
of Receipt	: 28-05-21	
mer ID	: Cement Concrete Pavement (Maramma Temple Road)	
le Type /Size	: 150X150X150 mm	
le grade/Age	: M30 / 7 Days Compressive Strength	
nce to BIS codes	: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
of test	: 02/06/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	26/05/2021	02/06/2021	150.47 X 149.34 X 149.28	22470	**8.408**	577.1	25.7	25.7
Cement Concrete Pavement	M30	26/05/2021	02/06/2021	151.45 X 151.15 X 149.43	22892	**8.147**	617.0	27.0	
Cement Concrete Pavement	M30	26/05/2021	02/06/2021	149.13 X 150.53 X 149.82	22447	**9.094**	550.2	24.5	

sults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	:	CP-2020-12-09-25 **Date: 23/06/2021**
	:	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."
Name	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010
	:	BBMP/EE/BTP/WO/130/2019-20
's Reference	:	28-05-21
Receipt	:	Cement Concrete Pavement (Maramma Temple Road)
ID	:	150X150X150 mm
Type /Size	:	M30 / 28 Days Compressive Strength
grade/Age	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
ence to BIS codes	:	
of test	:	23/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	151.82 X 149.97 X 149.38	22769	8.161	774.0	34.0	33.3
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	149.21 X 150.10 X 151.94	22396	8.715	731.4	32.7	
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	151.17 X 150.43 X 151.52	22740	9.076	756.7	33.3	

results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No : TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 02/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 28-05-21

: Cement Concrete Pavement (Muniswamappa Layout -1st Cross Road)

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 02/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	26/05/2021	02/06/2021	151.29 X 149.98 X 150.81	22691	**8.408**	568.4	25.1	25.2
Cement Concrete Pavement	M30	26/05/2021	02/06/2021	150.50 X 151.38 X 151.75	22782	**8.147**	598.0	26.2	
Cement Concrete Pavement	M30	26/05/2021	02/06/2021	150.57 X 149.96 X 150.33	22580	**9.094**	548.7	24.3	

results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 23/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 28-05-21

: Cement Concrete Pavement (Muniswamappa Layout -1st Cross Road)

: 150X150X150 mm

: M30 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 23/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	151.49 X 150.61 X 151.52	22815	**8.161**	759.3	33.3	33.3
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	151.33 X 149.19 X 150.67	22577	**8.715**	735.5	32.6	
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	151.85 X 149.28 X 150.78	22667	**9.076**	769.4	33.9	

Results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	CP-2020-12-09-25	**Date: 02/06/2021**
Name	"Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."	
	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010	
er's Reference	BBMP/EE/BTP/WO/130/2019-20	
Receipt	28-05-21	
r ID	Cement Concrete Pavement (Singapur Layout-Cross Road)	
Type /Size	150X150X150 mm	
rade/Age	M30 / 7 Days Compressive Strength	
e to BIS codes	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
st	02/06/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ment Concrete Pavement	M30	26/05/2021	02/06/2021	151.53 X 149.21 X 151.71	22610	**8.408**	587.1	26.0	25.8
ment Concrete Pavement	M30	26/05/2021	02/06/2021	151.00 X 151.93 X 151.82	22941	**8.147**	614.1	26.8	
ment Concrete Pavement	M30	26/05/2021	02/06/2021	150.83 X 151.10 X 151.73	22791	**9.094**	561.5	24.6	

obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 23/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

ame : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

's Reference : 28-05-21

Receipt : Cement Concrete Pavement (Singapur Layout-Cross Road)

e ID : 150X150X150 mm

Type Size : M30 / 28 Days Compressive Strength

grade Age : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

ce to BIS codes : 23/06/2021

Test

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	150.04 X 149.41 X 150.55	22418	**8.161**	757.1	33.8	33.1
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	150.96 X 150.37 X 149.00	22700	**8.715**	731.7	32.2	
Cement Concrete Pavement	M30	26/05/2021	23/06/2021	149.15 X 149.95 X 149.08	22365	**9.076**	746.5	33.4	

sults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 03/06/2021

: CP-2020-12-09-25

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 29-05-21

: Cement Concrete Pavement (KiranDeep Nivas House Road)

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 03/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ement Concrete Pavement	M30	27/05/2021	03/06/2021	150.54 X 149.14 X 149.06	22452	8.408	577.3	25.7	25.5
ement Concrete Pavement	M30	27/05/2021	03/06/2021	149.52 X 149.21 X 151.55	22310	8.147	590.3	26.5	
ement Concrete Pavement	M30	27/05/2021	03/06/2021	151.44 X 150.68 X 150.19	22818	9.094	552.7	24.2	

s obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro BANGALORE Sig. ..... Date.....

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2020-12-09-25 **Date: 24/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

eference : BBMP/EE/BTP/WO/130/2019-20

t : 29-05-21

: Cement Concrete Pavement (KiranDeep Nivas House Road)

Size : 150X150X150 mm

Age : M30 / 28 Days Compressive Strength

IS codes : IS: 516 - 1959 'Methods of Tests for Strength of Concrete Cl.5

: 24/06/2021

fication ark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Concrete ment	M30	27/05/2021	24/06/2021	150.86 X 151.77 X 151.68	22896	**8.161**	762.6	33.3	33.2
Concrete ment	M30	27/05/2021	24/06/2021	151.95 X 150.76 X 151.10	22907	**8.715**	749.6	32.7	
Concrete ment	M30	27/05/2021	24/06/2021	150.41 X 149.03 X 149.60	22415	**9.076**	750.2	33.5	

ned are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No. TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ame : CP-2020-12-09-25 **Date: 03/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

s Reference : BBMP/EE/BTP/WO/130/2019-20

ceipt : 29-05-21

ID : Cement Concrete Pavement (#13 Surabhi House Road)

pe /Size : 150X150X150 mm

de/Age : M30 / 7 Days Compressive Strength

o BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 03/06/2021

ntification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
nt Concrete vement	M30	27/05/2021	03/06/2021	149.25 X 149.63 X 149.27	22331	**8.408**	569.4	25.5	25.5
nt Concrete vement	M30	27/05/2021	03/06/2021	150.39 X 151.89 X 149.06	22843	**8.147**	614.9	26.9	
t Concrete vement	M30	27/05/2021	03/06/2021	151.08 X 149.21 X 150.21	22542	**9.094**	541.0	24.0	

ained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Page 1/1
****End of Report****

CIVIL Pro Sig. Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE - 3

Certificate No : TC-6548

Format No : CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/06/2021

CP-2020-12-09-25

Name : "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th C Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

Receipt : 29-05-21

r ID : Cement Concrete Pavement @13 Surabhi House Road)

ype /Size : 150X150X150 mm

rade/Age : M30 / 28 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

st : 24/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ement Concrete Pavement	M30	27/05/2021	24/06/2021	149.54 X 151.30 X 150.02	22625	8.161	747.7	33.0	33.1
ement Concrete Pavement	M30	27/05/2021	24/06/2021	151.62 X 149.23 X 149.74	22626	8.715	734.3	32.5	
ement Concrete Pavement	M30	27/05/2021	24/06/2021	150.74 X 150.90 X 151.26	22746	9.076	771.2	33.9	

s obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date ..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP:2020-12-09-25 **Date: 03/06/2021**

Name : Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO:130/2019-20

Receipt : 29-05-21

r ID : Cement Concrete Pavement (#120 Ashirvada House Road)

Type/ Size : 150X150X150 mm

rade/Age : M30 / 7 Days Compressive Strength

e to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Test : 03/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	27/05/2021	03/06/2021	151.50 X 150.36 X 150.32	22780	8.408	577.7	25.4	25.6
Cement Concrete Pavement	M30	27/05/2021	03/06/2021	151.07 X 149.72 X 150.10	22753	8.147	606.7	26.7	
Cement Concrete Pavement	M30	27/05/2021	03/06/2021	149.81 X 149.74 X 149.65	22433	9.094	558.2	24.9	

sults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. Date BANGALORE

FOR CIVIL Pro.
B KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO

AN ISO 9001 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No : TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 24/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th C Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 29-05-21

: Cement Concrete Pavement (#120 Ashirvada House Road)

: 150X150X150 mm

: M30 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 24/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	27/05/2021	24/06/2021	149.48 X 150.16 X 151.79	22446	**8.161**	756.0	33.7	33.4
Cement Concrete Pavement	M30	27/05/2021	24/06/2021	150.65 X 151.80 X 151.90	22869	**8.715**	748.8	32.7	
Cement Concrete Pavement	M30	27/05/2021	24/06/2021	149.14 X 149.95 X 150.82	22364	**9.076**	754.2	33.7	

The results obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TE/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25 **Date: 03/06/2021**

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

Name : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

's Reference : BBMP/EE/BTP/WO/130/2019-20

Receipt : 29-05-21

: Cement Concrete Pavement (#120 Ashirvada House Road)

ber ID : 150X150X150 mm

Type Size : M30 / 7 Days Compressive Strength

grade Age : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

nce to BIS codes : 03/06/2021

Test

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	27/05/2021	03/06/2021	151.01 X 151.46 X 150.96	22872	**8.408**	577.4	25.2	25.4
Cement Concrete Pavement	M30	27/05/2021	03/06/2021	151.58 X 151.31 X 150.81	22936	**8.147**	602.5	26.3	
Cement Concrete Pavement	M30	27/05/2021	03/06/2021	149.34 X 151.09 X 151.46	22565	**9.094**	553.6	24.5	

sults obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig. ..... Date ..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No. TC-5548

Format No. CPTL/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-09-25

Date: 24/06/2021

: "Improvements to Roads and Drains at Kuvempunagara 1st Stage and Surrounding Area in Ward No.11 Kuvempunagara."

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd. #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010

: BBMP/EE/BTP/WO/130/2019-20

: 29-05-21

: Cement Concrete Pavement (#120 Ashirvada House Road)

: 150X150X150 mm

: M30 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 24/06/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ement Concrete Pavement	M30	27/05/2021	24/06/2021	150.95 X 150.64 X 149.27	22739	**8.161**	772.9	34.0	33.2
ement Concrete Pavement	M30	27/05/2021	24/06/2021	151.43 X 149.74 X 149.33	22675	**8.715**	729.2	32.2	
ement Concrete Pavement	M30	27/05/2021	24/06/2021	151.31 X 150.00 X 149.84	22696	**9.076**	756.1	33.3	

lts obtained are satisfactory as per standard requirements.

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES